
DEPARTMENT OF THE ARMY TD-09900 (Jan 96)
U.S. ARMY CORPS OF ENGINEERS Based on CEGS 09900
(July 1992) TULSA DISTRICT GUIDE SPECIFICATION

SECTION 09900

PAINTING, GENERAL
07/92

NOTE: This guide specification may be use where the anticipated quantity for any one type of paint is 50 gal. or less or greater quantities where application is non critical such as interior wall surfaces. This guide specification covers the requirements for painting of interior and exterior substrates, including masonry, metals and woods .

1 GENERAL

1.1 REFERENCES

NOTE: Issue (date) of references included in project specifications need not be more current than provided by the latest change (Notice) to this guide specification.

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH)

ACGIH-02 (1991) 1991-1992 Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D 3273 (1986; R 1991) Resistance to Growth of Mold on the Surface of Interior Coating in an Environmental Chamber

ASTM D 3274 (1982; R 1988) Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation

ASTM D 4214 (1989) Evaluating the Degree of Chalking of Exterior Paint Films

FEDERAL AVIATION ADMINISTRATION (FAA)

FAA AC 70/7460-1

(Rev H; Change 1 and 2) Obstruction Marking
and Lighting

STEEL STRUCTURES PAINTING COUNCIL (SSPC)

SSPC SP 1

(1982) Solvent Cleaning

SSPC SP 2

(1989) Hand Tool Cleaning

SSPC SP 3

(1989) Power Tool Cleaning

SSPC SP 7

(1991) Brush-Off Blast Cleaning

1.2 ..LAYOUT 2 1.2 SUBMITTALS

NOTE: Submittals must be limited to those necessary
for adequate quality control. The importance of an
item in the project should be one of the primary
factors in determining if a submittal for the item
should be required.

Indicate submittal classification in the blank space
using "GA" when the submittal requires Government
approval or "FIO" when the submittal is for
information only.

Government approval is required for submittals with a "GA" designation;
submittals having an "FIO" designation are for information only. The
following shall be submitted in accordance with Section 01300 SUBMITTAL
PROCEDURES:

SD-01 Data

Paint; [_____].

The names, quantity represented, and intended use for the proprietary brands
of materials proposed to be substituted for the specified materials .

SD-06 Instructions

Mixing and Thinning; [_____]. Application; [_____].

Manufacturer's current printed product description, material safety data
sheets (MSDS) and technical data sheets for each coating system. Detailed
mixing, thinning and application instructions, minimum and maximum
application temperature, and curing and drying times between coats for
epoxy, moisture-curing polyurethane, and liquid glaze coatings. Detailed
application instructions for textured coatings shall be provided.

SD-09 Reports

Paint; [_____].

A statement as to the quantity represented and the intended use, plus the following test report for batches in excess of 200 L: 50 gallons:

- a. a report of test results for properties of weight per liter, gallon, viscosity, fineness of grind, drying time, color, and gloss.

SD-13 Certificates

Lead; [____]. Mildewcide and Insecticide; [____]. Volatile Organic Compound (VOC) Content; [____].

Certificate stating that paints for interior use contain no mercurial mildewcide or insecticide. Certificate stating that paints proposed for use contain not more than 0.06 percent lead. Certificate stating that paints proposed for use meet the VOC regulations of the local Air Pollution Control Districts having jurisdiction over the geographical area in which the project is located.

SD-14 Samples

Moisture-curing Polyurethane; [____].

A complete moisture-curing polyurethane system applied to a panel of the same material as that on which the coating will be applied in the work and for each color specified. The sample panels will be used for quality control in applying the system.

Paint; [____].

While the material is at the site or source of supply, and at a time agreeable to the Contractor and the Contracting Officer, a 1 liter 1 quart sample of each color and batch, except for quantities of 200 liters 50 gallons or less, shall be taken by random selection from the sealed containers by the Contractor in the presence of a representative of the Contracting Officer. The contents of the containers to be sampled shall be thoroughly mixed to ensure that the sample is representative. Samples shall be identified by designated name, specification number, manufacturer name and address, batch number, project contract number, intended use, and quantity involved.

1.3 PACKAGING, LABELING, AND STORING

Paints shall be in sealed containers that legibly show the designated name, formula or specification number, batch number, color, quantity, date of manufacture, manufacturer's formulation number, manufacturer's directions including any warnings and special precautions, and name of manufacturer. Pigmented paints shall be furnished in containers not larger than 20 liters.5 gallons. Paints and thinner shall be stored in accordance with the manufacturer's written directions and as a minimum stored off the ground, under cover, with sufficient ventilation to prevent the buildup of flammable vapors and at temperatures between 4 and 35 degrees C. 40 and 95 degrees F. Paints shall be stored on the project site or segregated at the source of supply sufficiently in advance of need to allow 30 days for testing.

1.4 APPROVAL OF MATERIALS

NOTE: Although provision is made for obtaining test reports, the importance of Government testing of each batch is emphasized when quantities of 200 liters (50 gallons) or more are involved in general painting. For 200 liters (50 gallons) and less, the factors of time, value of material versus cost of testing, and the end use of material may justify acceptance on the basis of test reports furnished. The requirements for Contractor test report responsibilities may be modified to exempt materials that will definitely be tested.

When samples are tested, approval of materials will be based on tests of the samples; otherwise, materials will be approved based on test reports furnished with them. If materials are approved based on test reports furnished, samples will be retained by the Government for testing should the materials appear defective during or after application. In addition to any other remedies under the contract the cost of retesting defective materials will be at the Contractor's expense.

1.5 ENVIRONMENTAL CONDITIONS

Unless otherwise recommended by the paint manufacturer, the ambient temperature shall be between 7 and 35 degrees C 45 and 95 degrees F when applying coatings other than water-thinned, epoxy, and moisture-curing polyurethane coatings. Water-thinned coatings shall be applied only when ambient temperature is between 10 and 32 degrees C. 50 and 90 degrees F. Epoxy, and moisture-curing polyurethane coatings shall be applied only within the minimum and maximum temperatures recommended by the coating manufacturer. Moisture-curing polyurethane shall not be applied when the relative humidity is below 30 percent.

1.6 SAFETY AND HEALTH

Work shall comply with applicable Federal, State, and local laws and regulations, and with the ACCIDENT PREVENTION PLAN, including the Activity Hazard Analysis as specified in the CONTRACT CLAUSES. The Activity Hazard Analysis shall include analyses of the potential impact of painting operations on painting personnel and on others involved in and adjacent to the work zone.

1.6.1 Worker Exposures

Exposure of workers to chemical substances shall not exceed limits as established by ACGIH-02, or as required by a more stringent applicable regulation.

1.6.2 Toxic Compounds

Toxic compounds having ineffective physiological properties, such as odor or irritation levels, shall not be used unless approved by the Contracting Officer.

1.6.3 Training

Workers having access to an affected work area shall be informed of the contents of the applicable material data safety sheets (MSDS) and shall be informed of potential health and safety hazard and protective controls associated with materials used on the project. An affected work area is one which may receive mists and odors from the painting operations. Workers involved in preparation, painting and clean-up shall be trained in the safe handling and application, and the exposure limit, for each material which the worker will use in the project. Personnel having a need to use respirators and masks shall be instructed in the use and maintenance of such equipment.

1.6.4 Coordination

Work shall be coordinated to minimize exposure of building occupants, other Contractor personnel, and visitors to mists and odors from preparation, painting and clean-up operations.

2 PRODUCTS

2.1 PAINT

The term "paint" as used herein includes emulsions, enamels, paints, stains, varnishes, sealers, cement-emulsion filler, and other coatings, whether used as prime, intermediate, or finish coat. Paint shall conform to the respective specifications listed for use in the painting schedules at the end of this section, except when the required amount of a material of a particular batch is 200 liters 50 gallons or less, an approved first-line proprietary paint material with similar intended usage and color to that specified may be used. Additional requirements are as follows:

2.1.1 Colors and Tints

Colors shall be as selected from manufacturer's standard colors, as indicated. Manufacturer's standard color is for identification of color only. Tinting of epoxy, and urethane, paints shall be done by the manufacturer. Stains shall conform in shade to manufacturer's standard color. The color of the undercoats shall vary slightly from the color of the next coat.

2.1.2 Mildewcide and Insecticide

**NOTE: Paints used on surfaces in areas of high
humidity where mildew is possible and on fabric or
vapor barrier over insulation will contain a biocide.**

Paint specified for all coats applied to fabrics and vapor barrier jackets over insulation and surfaces in [_____] area shall contain a mildewcide that will not adversely affect the color, texture, or durability of the coating. The mildewcide shall be incorporated into the paint by the manufacturer and shall attain a surface disfigurement rating of 8 or greater when tested in accordance with ASTM D 3273 and evaluated in accordance with ASTM D 3274. Mercurial mildewcide shall not be used in interior paint. Insecticides shall not be used in paint.

2.1.3 Lead

NOTE: Current laws define lead-based paint as any paint containing more than six one-hundredths of 1 percentum (0.06 percent) lead by weight (calculated as lead metal) in the total nonvolatile content of the paint, or the equivalent measure of lead in the dried film of paint already applied. Some colors of industrial enamels FS TT-E-489, , and SSPC Paint 21 will contain lead pigment and will not be specified.

Paints containing lead in excess of 0.06 percent by weight of the total nonvolatile content (calculated as lead metal) shall not be used.

2.1.4 Chromium

Paints containing zinc chromate or strontium chromate pigments shall not be used.

2.1.5 Volatile Organic Compound (VOC) Content

NOTE: The Federal Clean Air Act requires each state to meet the National Ambient Air Quality Standards. In addition, each state or local government may impose more restrictive requirements. States with areas identified as exceeding EPA standards for ozone must adopt limits on the volatile organic compound (VOC) content of paints, coatings and varnish. Therefore, the designer should determine the local restrictions and eliminate prohibited materials. It may be necessary to specify locally available commercial products which have been developed to meet local restrictions.

Paints shall comply with applicable state and local laws enacted to insure compliance with Federal Clean Air Standards and shall conform to the restrictions of the local air pollution control authority.

3 EXECUTION

3.1 PROTECTION OF AREAS NOT TO BE PAINTED

Items not to be painted which are in contact with or adjacent to painted surfaces shall be removed or protected prior to surface preparation and painting operations. Items removed prior to painting shall be replaced when painting is completed. Following completion of painting, workmen skilled in the trades involved shall reinstall removed items. Surfaces contaminated by coating materials shall be restored to original condition.

3.2 SURFACE PREPARATION

Surfaces to be painted shall be clean and free of foreign matter before application of paint or surface treatments. Oil and grease shall be removed

with clean cloths and cleaning solvents prior to mechanical cleaning. Cleaning solvents shall be of low toxicity with a flashpoint in excess of 38 degrees C. 100 degrees F. Cleaning shall be programmed so that dust and other contaminants will not fall on wet, newly painted surfaces. Exposed ferrous metals such as nail heads on or in contact with surfaces to be painted with water-thinned paints, shall be spot-primed with a suitable corrosion-inhibitive primer capable of preventing flash rusting and compatible with the coating specified for the adjacent areas.

3.2.1 Concrete, Stucco and Masonry Surfaces

Concrete, stucco and masonry surfaces shall be allowed to dry at least 30 days before painting, except concrete slab on grade which shall be allowed to cure 90 days before painting. Glaze, efflorescence, laitance, dirt, grease, oil, asphalt, surface deposits of free iron and other foreign matter shall be removed prior to painting. Surfaces to receive polyurethane, chlorinated rubber or epoxy coatings shall be acid-etched or mechanically abraded as specified by the coating manufacturer, rinsed with water, allowed to dry, and treated with the manufacturer's recommended conditioner prior to application of the first coat.

3.2.2 Ferrous Surfaces

Ferrous surfaces including those that have been shop-coated, shall be solvent-cleaned. Surfaces that contain loose rust, loose mill scale, and other foreign substances shall be cleaned mechanically with hand tools according to SSPC SP 2, power tools according to SSPC SP 3 or by sandblasting according to SSPC SP 7. Shop-coated ferrous surfaces shall be protected from corrosion by treating and touching up corroded areas immediately upon detection.

3.2.3 Nonferrous Metallic Surfaces

Galvanized, aluminum and aluminum-alloy, lead, copper, and other nonferrous metal surfaces shall be solvent-cleaned in accordance with SSPC SP 1.

3.2.4 Gypsum Board Surfaces

Gypsum board surfaces shall be dry and shall have all loose dirt and dust removed by brushing with a soft brush, rubbing with a cloth, or vacuum-cleaning prior to application of the first-coat material. A damp cloth or sponge may be used if paint will be water-based.

3.2.5 Mastic-Type Surfaces

Mastic-type surfaces shall be prepared by removing foreign material.

3.2.6 Plaster Surfaces

Plaster shall age at least 30 days before painting. Plaster shall be clean and free from loose matter and shall have an instrument-measured moisture content not exceeding 8 percent.

3.2.7 Wood Surfaces

Wood surfaces shall be cleaned of foreign matter. Wood surfaces adjacent to surfaces to receive water-thinned paints shall be primed and/or touched up before applying water-thinned paints. Small, dry seasoned knots shall be scraped, cleaned, and given a thin coat of commercial knot sealer, before application of the priming coat. Pitch on large, open, unseasoned knots and

all other beads or streaks of pitch shall be scraped off, or, if it is still soft, removed with mineral spirits or turpentine, and the resinous area shall be thinly coated with knot sealer. Finishing nails shall be set, and all holes and surface imperfections shall be primed. After priming, holes and imperfections in finish surfaces shall be filled with putty or plastic wood filler, colored to match the finish coat if natural finish is required, allowed to dry, and sanded smooth. Putty or wood filler shall be compatible with subsequent coatings. Interior wood surfaces to receive stain shall be sanded. Oak and other open-grain wood to receive stain shall be given a coat of wood filler not less than 8 hours before the application of stain; excess filler shall be removed and the surface sanded smooth. Sanding of wood floors is specified in Section 09560 WOOD STRIP FLOORING. Floors of oak or similar open-grain wood shall be filled with wood filler recommended by the finish manufacturer and the excess filler removed. Moisture content of the wood shall not exceed 12 percent as measured by a moisture meter, unless otherwise authorized.

3.2.8 Previously Painted Surfaces

NOTE: Delete inapplicable phrases or delete entire paragraph if no previously painted surfaces will be encountered.

Previously painted surfaces [specified to be repainted] [damaged during construction] shall be thoroughly cleaned of all grease, dirt, dust or other foreign matter. Blistering, cracking, flaking and peeling or other deteriorated coatings shall be removed. Slick surfaces shall be roughened. Damaged areas such as, but not limited to, nail holes, cracks, chips, and spalls shall be repaired with suitable material to match adjacent undamaged areas. Edges of chipped paint shall be feather edged and sanded smooth. Rusty metal surfaces shall be cleaned as per SSPC requirements. Solvent, mechanical, or chemical cleaning methods shall be used to provide surfaces suitable for painting. Chalk shall be removed so that when tested in accordance with ASTM D 4214, the chalk resistance rating is no less than 8. New, proposed coatings shall be compatible with existing coatings. If existing surfaces are glossy, the gloss shall be reduced.

3.3 MIXING AND THINNING

When thinning is approved as necessary to suit surface, temperature, weather conditions, or application methods, paints may be thinned in accordance with the manufacturer's directions. When thinning is allowed, paints shall be thinned immediately prior to application with not more than 0.5 L 1 pint of suitable thinner per liter.gallon. The use of thinner shall not relieve the Contractor from obtaining complete hiding, full film thickness, or required gloss. Thinning shall not cause the paint to exceed local limits on volatile organic compounds. Paints of different manufacturers shall not be mixed.

3.3.1 Cement-Emulsion Filler Coat

Cement and aggregate shall be dry-mixed so that uniform distribution and intermixing are obtained. Mixing liquid and one-half of the total amount of water shall be premixed and added gradually to the white portland cement and aggregate with constant stirring until a thick, smooth material is obtained. Emulsion paint shall then be added to the mixture and stirred until uniformity is obtained. The blend shall have a thick, creamy consistency.

The remainder of the water shall be added if necessary to obtain a material with adequate application properties. Blending resin emulsion or emulsion paint with any other component shall be done with caution; too rapid an agitation will cause air entrapment and foaming.

3.3.2 Two-Component Systems

Two-component systems shall be mixed in accordance with manufacturer's instructions. Any thinning of the first coat to ensure proper penetration and sealing shall be as recommended by the manufacturer for each type of substrate.

3.4 APPLICATION

Painting practices shall comply with applicable state and local laws enacted to insure compliance with Federal Clean Air Standards. Unless otherwise specified or recommended by the paint manufacturer, paint may be applied by brush, roller, or spray. At the time of application, paint shall show no signs of deterioration. Uniform suspension of pigments shall be maintained during application. Each coat of paint shall be applied so dry film shall be of uniform thickness and free from runs, drops, ridges, waves, pinholes or other voids, laps, brush marks, and variations in color, texture, and finish. Hiding shall be complete. Rollers for applying paints and enamels shall be of a type designed for the coating to be applied and the surface to be coated. Special attention shall be given to insure that all edges, corners, crevices, welds, and rivets receive a film thickness equal to that of adjacent painted surfaces. Paints, except water-thinned types, shall be applied only to surfaces that are completely free of moisture as determined by sight or touch.

3.4.1 Ventilation

Affected areas shall be ventilated during paint application so that workers exposure to chemical substances shall not exceed limits as established by [ACGIH-02](#), or as required by a more stringent applicable regulation. Interior work zones having a volume of [280 cubic meters](#) [10,000 cubic feet](#) or less shall be ventilated at a minimum of 2 air exchanges per hour. Ventilation in larger work zones shall be maintained by means of mechanical exhaust. Solvent vapors shall be exhausted outdoors, away from air intakes and workers. Return air inlets in the work zone shall be temporarily sealed before start of work until the coatings have dried.

3.4.2 Respirators

Operators and personnel in the vicinity of operating paint sprayers shall wear respirators.

3.4.3 First Coat

The first coat on plaster, gypsum wallboard, and other surfaces shall include repeated touching up of suction spots or overall application of primer or sealer to produce uniform color and gloss. Excess sealer shall be wiped off after each application. The first coat on both faces of wood doors shall be applied at essentially the same time. Glazed doors and sashes shall be given the specified coating system within 3 weeks of the time they are glazed, but not before the glazing material has set; paint shall overlay glass about [1.78mm](#) [70 mils](#) all around. Each varnish coat shall be sanded lightly prior to application of subsequent coats.

3.4.4 Timing

Surfaces that have been cleaned, pretreated, and otherwise prepared for painting shall be given a coat of the specified first coat as soon as practical after such pretreatment has been completed, but prior to any deterioration of the prepared surface. Sufficient time shall elapse between successive coats to permit proper drying. This period shall be modified as necessary to suit weather conditions. Oil-based or oleoresinous solvent-type paints shall be considered dry for recoating when the paint feels firm, does not deform or feel sticky under moderate pressure of the thumb, and the application of another coat of paint does not cause the undercoat to lift or lose adhesion. Manufacturer's instructions for application, curing and drying time between coats of two-component systems shall be followed.

3.4.5 Stains

On smooth exterior wood surfaces such as the planed face of bevel siding, the stain shall be applied at a spreading rate of 9.8 to 12.3 square meters per liter. 400 to 500 square feet per gallon. On rough surfaces such as an unplanned or scarred face of bevel siding, the stain shall be spread at the rate of 4.9 to 6.1 square meters per liter 200 to 250 square feet per gallon or as recommended by the manufacturer. Oil-type stain shall be applied by brushing with the grain for the full length of the board or course of siding.

3.4.6 Fillers

Concrete and masonry surface voids shall be filled; however, surface irregularities need not be completely filled. The dried filler shall be uniform and free of pinholes. Filler shall not be applied over caulking compound.

3.4.6.1 Cement-Emulsion Filler

Immediately before filler application, surfaces shall be dampened uniformly and thoroughly, with no free surface water visible, by several applications of potable water with a fog spray, allowing time between the sprayings for water to be absorbed. Cement-emulsion filler shall be scrubbed into the surface vigorously with a stiff-bristled brush having tampico or palmyra bristles not longer than 63 mm. 2-1/2 inches. At least 24 hours shall elapse before applying exterior emulsion paint over cement-emulsion filler. When the ambient temperature is over 29 degrees C, 85 degrees F, cement-emulsion filler surfaces shall be dampened lightly with a fog spray of potable water immediately prior to application of the subsequent paint coat.

3.4.6.2 Solvent-Thinned Filler

Solvent-thinned filler shall be applied to dry surfaces only and may be applied by brush or roller. Filler shall be allowed to set for 3 to 5 minutes or until the filler becomes tacky, and the excess material shall then be removed with a rubber squeegee. Surface voids shall be filled; however, surface irregularities need not be completely filled.

3.4.6.3 Latex Filler

Latex filler shall be applied according to the manufacturer's instructions. Surface voids shall be filled and the filler allowed to dry the length of time specified by the manufacturer prior to applying successive coats of paint.

3.4.7 Textured Coating

Application of textured coating shall be as specified in the manufacturer's printed directions at a rate of 1.1 to 1.3 square meters per liter 45 to 55 square feet per gallon in one coat.

3.4.8 Ferrous-Metal Primer

Primer for ferrous-metal shall be applied to ferrous surfaces to receive paint other than asphalt varnish prior to deterioration of the prepared surface. The semitransparent film applied to some pipes and tubing at the mill is not to be considered a shop coat, but shall be overcoated with the specified ferrous-metal primer prior to application of finish coats.

3.5 PIPE COLOR CODE MARKING

**NOTE: Piping identification specified is based on
ANSI A 13.1. Pipe carrying materials not listed in
TABLE I will be added in accordance with ANSI A 13.1.**

Pipes in exposed areas and in accessible pipe spaces shall be provided with color band and titles adjacent to all valves, except those provided at plumbing fixtures, at not more than 12 meter 40 foot spacing on straight pipe runs, adjacent to change in direction, and on both sides where pipes pass through walls or floors. Color code marking shall be of the color listed in TABLE I and the size listed in TABLE II. The arrows shall be installed adjacent to each band to indicate the direction of flow in the pipe. The legends shall be printed in upper-case black letters as listed in TABLE I. Letter sizes shall be as listed in TABLE II. Marking shall be painted or applied using colored, pressure-sensitive adhesive markers of standard manufacture. Paint shall be as specified for insulated and uninsulated piping.

TABLE I. COLOR CODES FOR MARKING PIPE

Material	Band	Letters and Arrow*	Legend
Cold water (potable) WATER	Green	White	POTABLE
Fire protection water WATER	Red	White	FIRE PR.
Hot water (domestic)	Green	White	H.W.
Hot water recirculating (domestic)	Green	White	H.W.R.
High temp. water supply	Yellow	Black	H.T.W.S.
High temp. water return	Yellow	Black	H.T.W.R.
Boiler feed water	Yellow	Black	B.F.
Low temp. water supply (heating)	Yellow	Black	L.T.W.S.
Low temp. water return (heating)	Yellow	Black	L.T.W.R.
Condenser water supply	Green	White	COND. W.S.
Condenser water return	Green	White	COND. W.R.
Chilled water supply	Green	White	C.H.W.S.
Chilled water return	Green	White	C.H.W.R.
Treated water	Yellow	Black	TR. WATER
Chemical feed	Yellow	Black	CH. FEED
Compressed air	Yellow	Black	COMP. AIR

Natural gas	Blue	White	NAT. GAS
Freon	Blue	White	FREON
Fuel oil	Yellow	Black	FUEL OIL
Steam	Yellow	Black	STM.
Condensate	Yellow	Black	COND.

TABLE II. COLOR CODE MARKING SIZES

Outside Diameter of Pipe Covering (mm)	Width of Color Band (mm)	Arrow Length x Width (mm)	Size of Legend Letters and Numerals (mm)
Less than 38	200	200 x 57	13
38 to 60	200	200 x 57	19
60 to 150	300	200 x 57	31
200 to 225	600	300 x 110	63
Over 250	800	300 x 115	88

TABLE II. COLOR CODE MARKING SIZES

Outside Diameter of Pipe Covering (Inches)	Length of Color Band (inches)	Arrow Length x Width (Inches)	Size of Legend Letters and Numerals (Inches)
Less than 1-1/2	8	8 x 2-1/4	1/2
1-1/2 to 2-3/8	8	8 x 2-1/4	3/4
2-1/2 to 7-7/8	12	8 x 2-1/4	1-1/4
8 to 10	24	12 x 4-1/2	2-1/2
Over 10	32	12 x 4-1/2	3-1/2

3.6 MISCELLANEOUS PAINTING

3.6.1 Lettering

Lettering shall be provided as scheduled on the drawings, shall be [block] [Gothic] type, and shall be [black enamel] [water-type decalcomania, finished with a protective coating of spar varnish]. Samples shall be approved before application.

3.6.2 Obstructions To Aviation

NOTE: Structures, such as smokestacks, poles, and buildings, which have been identified as obstruction to aviation will be specified by name. Verify that the structures so identified are not specified to be painted in the sections specifying the structures so that painting will not be specified twice.

The following obstructions to aviation shall be painted in the pattern and color prescribed by **FAA AC 70/7460-1**: [_____]

3.7 SURFACES TO BE PAINTED

Surfaces listed in the painting schedules at the end of this section, other than those listed in paragraph SURFACES NOT TO BE PAINTED, shall be painted as scheduled.

3.8 SURFACES NOT TO BE PAINTED

NOTE: List items that might otherwise be covered by the painting schedule. Examples are walls and ceilings in crawl spaces and elevator shafts, unexposed interior ferrous surfaces, and jacketing over insulation pipes in unexposed locations that do not require color coding.

Surfaces in the following areas are not to be painted: [_____]. In addition surfaces of hardware, fittings, and other factory finished items shall not be painted.

3.9 CLEANING

Cloths, cotton waste and other debris that might constitute a fire hazard shall be placed in closed metal containers and removed at the end of each day. Upon completion of the work, staging, scaffolding, and containers shall be removed from the site or destroyed in an approved manner. Paint and other deposits on adjacent surfaces shall be removed and the entire job left clean and acceptable.

3.10 PAINTING SCHEDULES

NOTE: Designer's choices are denoted by solid lines between coating systems. The designer will use the systems most appropriate for local conditions.

Retain Contractor's options, except where specific systems are required to meet project requirements.

Surfaces not required to be painted will be deleted from the paintingschedules. Finish coats for specific rooms should be shown in a schedule on the drawings and coordinated with the specifications.

The following guidance is provided to facilitate development of the painting schedule:

Painting of Exterior Concrete Masonry Units: Exterior concrete masonry units will be painted when necessary to provide waterproofing.

Painting of Exterior Concrete: Exterior concrete surfaces will be painted only when necessary to obtain color compatibility with surrounding areas.

Painting of Concrete Ceilings: Concrete ceilings may be coated with a textured coating or one of the other systems provided for interior concrete surfaces. If the textured coating is selected, the Section 03300 CONCRETE FOR BUILDING CONSTRUCTION will reflect that a smooth finish is not required under the textured coatings. The textured coating system is suitable for hiding imperfections in new cast-in-place and precast concrete ceilings. The textured coating should not be used in wet or humid areas or for previously painted surfaces.

Painting of Concrete Floors and Walls: Concrete floors will be left unpainted except as required for specific applications. Interior concrete walls will be painted as specified when necessary, except that walls below ground which will be subjected to moisture (e.g., leaking, spills) often enough to damage coatings will not be painted.

Painting of Interior Ferrous Surfaces: Ferrous surfaces in concealed damp spaces, including crawl spaces under buildings, manholes, and tunnels will be painted. The spaces will be designated in the schedule. Concealed ferrous surfaces in dry spaces such as attics, furred spaces between walls and above ceilings, and pipe chases will not be painted. Shop-primed items in concealed spaces will not be finish-painted. Interior ferrous surfaces where ambient conditions can result in the accumulation of moisture, will be painted.

Painting of Exterior Ferrous Surfaces: Exterior ferrous surfaces will receive an exterior oil, aluminum or enamel paint system when exposed to non-corrosive atmospheric conditions. Exterior steel surfaces exposed to salt water or mist, corrosive gases or chemicals should be coated with a coat system compatible with that type environment. CWGS-09940, PAINTING: HYDRAULIC STRUCTURES, contains paint systems suitable for such environments.

Painting of Nonferrous Metallic Surfaces: Nonferrous metallic surfaces will be painted only when the surfaces would present a poor appearance if left bare. When painting is necessary, the size of the surface to be painted will be considered when determining how close a color match is necessary between the final coats over the surface and the adjacent areas. Exterior galvanized, aluminum and other nonferrous surfaces will be painted only when corrosive conditions are extreme or when the surfaces would present a poor appearance if left bare. Copper and lead surfaces, if required to be painted, will receive the same paint system as aluminum surfaces.

Painting of Exterior Wood Surfaces: For exterior wood surfaces, oil-based and latex paint systems usually are equally satisfactory.

Painting of Interior Wood Surfaces: Interior wood surfaces to receive natural finish will be coordinated with other sections of the specifications in reference to the species of wood selected for a particular finish and to verify that the finish is specified in only one section. Knotty wainscots, hardwood wainscots, locker and shower-room benches, and shelves in food-storage rooms will be given a natural finish. Finishing of wood structural glued laminated members, if required, will be specified in the section that covers such members; they will not be field-coated.

Washable Paint Systems: Interior wall surfaces in heavy traffic areas and areas requiring a high degree of sanitation must be painted with a washable paint system. These areas include, hallways, stairwells, lobbies, equipment and supply areas, and facilities such as medical, dental, food preparation, dormitory rooms, and laboratories which need a washable surface for sanitary reasons. These paint systems will not be used as an alternative to glazed structural facing units (GSFU) in kitchen areas of dining facilities. The paint system most suitable for each intended use will be selected and the areas to receive this finish will be identified in the painting schedules.

The following painting schedules identify the surfaces to be painted and prescribe the paint to be used and the number of coats of paint to be applied.

PAINTING SCHEDULE

EXTERIOR SURFACES

..NOTE-ST

NOTE: The Painting Schedule shall be edited to include only the surfaces included in the project. It should be verified that virtually every surface to be painted is included in the schedule. This schedule must be accurate and complete and should identify what surfaces are to be painted as well as the coating material. Identify, if necessary, any specific surfaces and/or coating not included in the general descriptions; for example a special epoxy coating to be applied only in a laboratory. For information regarding Sherman Williams coating systems contact Mr. Gregg Carleton, 913 381-8633.

..NOTE-END

STUCCO

1. Latex Systems
 - a. Flat Finish
 - 1st Coat: S-W A-100 Flat Latex House & Trim, A6 Series
 - 2nd Coat: S-W A-100 Flat Latex House & Trim, A6 Series
(4 mils wet, 1.4 mils dry per coat)
2. Epoxy Ester System
 - a. Texture Finish
 - 1st Coat: S-W Sher-Crete, B61WW400
 - 2nd Coat: S-W Sher-Crete, B61WW400
(minimum DFT 8-10 mils dry per coat)

CONCRETE MASONRY UNITS

1. Latex Systems
 - a. Satin Finish
 - 1st Coat: S-W ProMar Interior/Exterior Block Filler, B25W25
(75-125 sq.ft./gal.)
 - 2nd Coat: S-W A-100 Satin Latex House & Trim, A82 Series
 - 3rd Coat: S-W A-100 Satin Latex House & Trim, A82 Series
(4 mils wet, 1.4 mils dry per coat)
 - b. Flat Finish
 - 1st Coat: S-W ProMar Interior/Exterior Block Filler, B25W25
(75-125 sq.ft./gal.)
 - 2nd Coat: S-W A-100 Flat Latex House & Trim, A6 Series
 - 3rd Coat: S-W A-100 Flat Latex House & Trim, A6 Series
(4 mils wet, 1.4 mils dry per coat)
2. Silicone Alkyd Systems
 - a. Gloss Finish
 - 1st Coat: S-W ProMar Interior/Exterior Block Filler, B25W25
(75-125 sq.ft./gal.)
 - 2nd Coat: S-W Silicone Alkyd Enamel, B56 Series
 - 3rd Coat: S-W Silicone Alkyd Enamel, B56 Series
(5 mils wet, 2 mils dry per coat)
3. Epoxy Ester Systems
 - a. Texture Finish

1st Coat: S-W Sher-Crete, B61WW400

2nd Coat: S-W Sher-Crete, B61WW400

(minimum 8-10 mils DFT per coat)

* * * * *

NOTE: FOR A HARDER, MORE WATER RESISTANT FINISH OR FOR AREAS UNDER
SEVERE MOISTURE CONDITIONS, USE S-W KEM CATI-COAT EPOXY
FILLER/SEALER B42WA8/B42WA9.

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CONCRETE FLOORS, PATIOS, PORCHES, STEPS & PLATFORMS

1. Alkyd System

a. Gloss Finish

1st Coat: S-W Concrete and Terrazzo Sealer, B44V22

2nd Coat: S-W Industrial Enamel, B54 Series

2nd Coat: S-W Industrial Enamel, B54 Series

(4 mils wet, 2 mils dry per coat)

2. Epoxy System (Solvent Base)

a. Gloss Finish

1st Coat: S-W All Weather Epoxy, B62WW400

2nd Coat: S-W All Weather Epoxy, B62WW400

(8 mils wet, 4 mils dry per coat)

ALUMINUM, ALUMINUM-ALLOY, AND OTHER NON-FERROUS METAL (NON-GALVANIZED)

1. Latex Systems

a. Gloss Finish

1st Coat: S-W DTM Acrylic Gloss Coating, B66 Series

2nd Coat: S-W DTM Acrylic Gloss Coating, B66 Series

(8 mils wet, 3 mils dry per coat)

1st Coat: S-W A-100 Gloss Latex House & Trim, A8 Series

2nd Coat: S-W A-100 Gloss Latex House & Trim, A8 Series

(4 mils wet, 1.4 mils dry per coat)

b. Satin Finish

1st Coat: S-W A-100 Satin Latex House & Trim, A82 Series

2nd Coat: S-W A-100 Satin Latex House & Trim, A82 Series

(4 mils wet, 1.4 mils dry per coat)

c. Flat Finish

1st Coat: S-W A-100 Flat Latex House & Trim, A6 Series

2nd Coat: S-W A-100 Flat Latex House & Trim, A6 Series

(4 mils wet, 1.4 mils dry per coat)

2. Alkyd Systems

a. Gloss Finish

1st Coat: S-W Zinc Chromate Primer, B50Y1

(6 mils wet, 3 mils dry)

2nd Coat: S-W SWP Gloss House & Trim, A2 Series

3rd Coat: S-W SWP Gloss House & Trim, A2 Series

(4 mils wet, 2 mils dry per coat)

3. Silicone Alkyd Systems

a. Gloss Finish

- 1st Coat: S-W Zinc Chromate Primer, B50Y1
(6 mils wet, 3 mils dry)
- 2nd Coat: S-W Silicone Alkyd Enamel, B56 Series
- 3rd Coat: S-W Silicone Alkyd Enamel, B56 Series
(5 mils wet, 2 mils dry per coat)

GALVANIZED

- 1. Latex Systems
 - a. Gloss Finish
 - 1st Coat: S-W DTM Acrylic Gloss Coating, B66 Series
 - 2nd Coat: S-W DTM Acrylic Gloss Coating, B66 Series
(8 mils wet, 3 mils dry per coat)

 - 1st Coat: S-W A-100 Gloss Latex House & Trim, A8 Series
 - 2nd Coat: S-W A-100 Gloss Latex House & Trim, A8 Series
(4 mils wet, 1.4 mils dry per coat)
 - b. Satin Finish
 - 1st Coat: S-W A-100 Satin Latex House & Trim, A82 Series
 - 2nd Coat: S-W A-100 Satin Latex House & Trim, A82 Series
(4 mils wet, 1.4 mils dry per coat)
 - c. Flat Finish
 - 1st Coat: S-W A-100 Flat Latex House & Trim, A6 Series
 - 2nd Coat: S-W A-100 Flat Latex House & Trim, A6 Series
(4 mils wet, 1.4 mils dry per coat)
- 2. Alkyd Systems
 - a. Gloss Finish
 - 1st Coat: S-W Galvite Paint, B50W3
(6 mils wet, 2 mils dry)
 - 2nd Coat: S-W SWP Gloss House & Trim, A2 Series
 - 3rd Coat: S-W SWP Gloss House & Trim, A2 Series
(4 mils wet, 2 mils dry per coat)
 - b. Flat Finish
 - 1st Coat: S-W Galvite Paint, B50W3
(6 mils wet, 2 mils dry)
 - 2nd Coat: S-W ProMar Alkyd Flat Exterior Finish, B38 Series
 - 3rd Coat: S-W ProMar Alkyd Flat Exterior Finish, B38 Series
(4 mils wet, 2 mils dry per coat)
- 3. Silicone Alkyd Systems
 - a. Gloss Finish
 - 1st Coat: S-W Galvite Paint, B50W3
(6 mils wet, 2 mils dry)
 - 2nd Coat: S-W Silicone Alkyd Enamel, B56 Series
 - 3rd Coat: S-W Silicone Alkyd Enamel, B56 Series
(5 mils wet, 2 mils dry per coat)

F. FERROUS METAL (Misc. Iron, Ornamental Iron, Catwalks, Fire Escapes,
Hydrants, Handrails, Ladders, Fences, Etc.)

- 1. Alkyd Systems
 - a. Gloss Finish

- 1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(8 mils wet, 3 mils dry)
- 2nd Coat: S-W Industrial Enamel, B54 Series
- 3rd Coat: S-W Industrial Enamel, B54 Series
(4 mils wet, 2 mils dry per coat)

- 2. Silicone Alkyd Systems
 - a. Gloss Finish

- 1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(6 mils wet, 3 mils dry)
 - 2nd Coat: S-W Silicone Alkyd Enamel, B56 Series
 - 3rd Coat: S-W Silicone Alkyd Enamel, B56 Series
(5 mils wet, 2 mils dry per coat)

- G. SHOP PRIMED METAL (SIDING, PANELS, ETC.)

- 1. Latex Systems

- a. Gloss Finish

- 1st Coat: S-W DTM Acrylic Gloss Coating, B66 Series
 - 2nd Coat: S-W DTM Acrylic Gloss Coating, B66 Series
(8 mils wet, 3 mils dry per coat)

- 1st Coat: S-W A-100 Gloss Latex House & Trim, A8 Series
 - 2nd Coat: S-W A-100 Gloss Latex House & Trim, A8 Series
(4 mils wet, 1.4 mils dry per coat)

- b. Satin Finish

- 1st Coat: S-W A-100 Satin Latex House & Trim, A82 Series
 - 2nd Coat: S-W A-100 Satin Latex House & Trim, A82 Series
(4 mils wet, 1.4 mils dry per coat)

- c. Flat Finish

- 1st Coat: S-W A-100 Flat Latex House & Trim, A6 Series
 - 2nd Coat: S-W A-100 Flat Latex House & Trim, A6 Series
(4 mils wet, 1.4 mils dry per coat)

- 2. Alkyd Systems

- a. Gloss Finish

- 1st Coat: S-W SWP Gloss House & Trim, A2 Series
 - 2nd Coat: S-W SWP Gloss House & Trim, A2 Series
(4 mils wet, 2 mils dry per coat)

- b. Flat Finish

- 1st Coat: S-W ProMar Alkyd Flat Exterior Finish, B38 Series
 - 2nd Coat: S-W ProMar Alkyd Flat Exterior Finish, B38 Series
(4 mils wet, 2 mils dry per coat)

- 3. Silicone Alkyd Systems

- a. Gloss Finish

- 1st Coat: S-W Silicone Alkyd Enamel, B56 Series
 - 2nd Coat: S-W Silicone Alkyd Enamel, B56 Series
(5 mils wet, 2 mils dry per coat)

- 4. Urethane Systems

- a. Gloss Finish

- 1st Coat: S-W Kem Kromik Universal Metal Primer, B50Z Series
(6 mils wet, 3 mils dry)
- 2nd Coat: S-W Hi-Bild Aliphatic Polyurethane, B65W100 Series
- 3rd Coat: S-W Hi-Bild Aliphatic Polyurethane, B65W100 Series
(8 mils wet, 3 mils dry per coat)

METAL - (Structural Iron & Steel, Tanks, Water Towers, Sashes, Trim,
Conductors, Doors, Ducts, Vents, Copper (Not Galvanized))

1. Latex Systems

a. Gloss Finish

- 1st Coat: S-W DTM Primer/Finish, B66W1
(6 mils wet, 3 mils dry)
- 2nd Coat: S-W DTM Acrylic Gloss Coating, B66 Series
- 3rd Coat: S-W DTM Acrylic Gloss Coating, B66 Series
(8 mils wet, 3 mils dry per coat)

b. Semi-Gloss Finish

- 1st Coat: S-W DTM Primer/Finish, B66W1
(6 mils wet, 3 mils dry)
- 2nd Coat: S-W Metalatex Semi-Gloss Coating, B42 Series
- 3rd Coat: S-W Metalatex Semi-Gloss Coating, B42 Series
(4 mils wet, 1.5 mils dry per coat)

2. Alkyd Systems

a. Gloss Finish

- 1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(8 mils wet, 3 mils dry)
- 2nd Coat: S-W SWP Gloss House & Trim, A2 Series
- 3rd Coat: S-W SWP Gloss House & Trim, A2 Series
(4 mils wet, 2 mils dry per coat)

b. Flat Finish

- 1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(6 mils wet, 3 mils dry)
- 2nd Coat: S-W ProMar Alkyd Flat Exterior Finish, B38 Series
- 3rd Coat: S-W ProMar Alkyd Flat Exterior Finish, B38 Series
(4 mils wet, 2 mils dry per coat)

3. Silicone Alkyd Systems

a. Gloss Finish

- 1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(8 mils wet, 3 mils dry)
- 2nd Coat: S-W Silicone Alkyd Enamel, B56 Series
- 3rd Coat: S-W Silicone Alkyd Enamel, B56 Series
(5 mils wet, 2 mils dry per coat)

WOOD - (Floors, Dadoes, Platforms)

1. Alkyd Systems

a. Gloss Finish

- 1st Coat: S-W Industrial Enamel, B54 Series
- 2nd Coat: S-W Industrial Enamel, B54 Series
(4 mils wet, 2 mils dry per coat)

WOOD - (Plywood)

1. Latex Systems
 - a. Gloss Finish
 - 1st Coat: S-W A-100 Exterior Latex Primer, B42W41
(4 mils wet, 1.4 mils dry)
 - (if Tannin Bleeding occurs, use A-100 Exterior Wood Primer, Y24W20)
 - 2nd Coat: S-W DTM Acrylic Gloss Coating, B66 Series
 - 3rd Coat: S-W DTM Acrylic Gloss Coating, B66 Series
(8 mils wet, 3 mils dry per coat)
 - 1st Coat: S-W A-100 Exterior Latex Primer, B42W41
(4 mils wet, 1.4 mils dry)
 - (if Tannin Bleeding occurs, use A-100 Exterior Wood Primer, Y24W20)
 - 2nd Coat: S-W A-100 Gloss Latex House & Trim, A8 Series
 - 3rd Coat: S-W A-100 Gloss Latex House & Trim, A8 Series
(4 mils wet, 1.4 mils dry per coat)
 - b. Satin Finish
 - 1st Coat: S-W A-100 Exterior Latex Primer, B42W41
(4 mils wet, 1.4 mils dry)
 - (if Tannin Bleeding occurs, use A-100 Exterior Wood Primer, Y24W20)
 - 2nd Coat: S-W A-100 Satin Latex House & Trim, A82 Series
 - 3rd Coat: S-W A-100 Satin Latex House & Trim, A82 Series
(4 mils wet, 1.4 mils dry per coat)
 - c. Flat Finish
 - 1st Coat: S-W A-100 Exterior Latex Primer, B42W41
(4 mils wet, 1.4 mils dry)
 - (if Tannin Bleeding occurs, use A-100 Exterior Wood Primer, Y24W20)
 - 2nd Coat: S-W A-100 Flat Latex House & Trim, A6 Series
 - 3rd Coat: S-W A-100 Flat Latex House & Trim, A6 Series
(4 mils wet, 1.4 mils dry per coat)
2. Alkyd Systems
 - a. Flat Finish
3. Stain - Alkyd Systems
 - a. Semi-Transparent
 - 1st Coat: S-W Semi-Transparent Wood Preservative Stain, A14T5
 - 1st Coat: S-W Semi-Transparent Wood Preservative Stain, A14T5
 - b. Solid Color
 - 1st Coat: S-W Solid Color Exterior Stain, A14 Series
 - 2nd Coat: S-W Solid Color Exterior Stain, A14 Series
4. Stain - Latex Systems
 - a. Solid Color
 - 1st Coat: S-W A-100 Exterior Latex Primer, B42W41
(4 mils wet, 1.4 mils dry)
 - (if Tannin Bleeding occurs, use A-100 Exterior Wood Primer, Y24W20)
 - 2nd Coat: S-W Exterior Latex Solid Color Stain, B22 Series
 - 3rd Coat: S-W Exterior Latex Solid Color Stain, B22 Series
(4 mils wet, 1.5 mils dry per coat)

WOOD - (Shingles, Shakes, Rough-Sawn Lumber)

1. Latex Systems
 - a. Flat Finish

- 1st Coat: S-W A-100 Exterior Latex Primer, B42W41
(4 mils wet, 1.4 mils dry)
- (if Tannin Bleeding occurs, use A-100 Exterior Wood Primer, Y24W20)
- 2nd Coat: S-W A-100 Flat Latex House Paint, A6 Series
- 3rd Coat: S-W A-100 Flat Latex House Paint, A6 Series
(4 mils wet, 1.4 mils dry per coat)

- 2. Alkyd Systems
 - a. Flat Finish

- 1st Coat: S-W A-100 Exterior Wood Primer, Y24W20
(4 mils wet, 2.2 mils dry)
- 2nd Coat: S-W ProMar Alkyd Flat Exterior Finish, B38 Series
- 3rd Coat: S-W ProMar Alkyd Flat Exterior Finish, B38 Series
(4 mils wet, 2 mils dry per coat)

- 3. Stain - Alkyd Systems
 - a. Semi-Transparent

- 1st Coat: S-W Semi-Transparent Wood Preservative Stain, A14T5
- 2nd Coat: S-W Semi-Transparent Wood Preservative Stain, A14T5
- 1st Coat: S-W Solid Color Exterior Stain, A14 Series
- 2nd Coat: S-W Solid Color Exterior Stain, A14 Series

- 4. Stain - Latex System
 - a. Solid Color

- 1st Coat: S-W Exterior Latex Solid Color Stain, B22 Series
- 2nd Coat: S-W Exterior Latex Solid Color Stain, B22 Series
(4 mils wet, 1.5 mils dry per coat)

WOOD (Siding, Trim, Shutters, Sashes, Doors, Misc. Wood, Hardboard
(Bare or Factory Primed)

- 1. Latex Systems
 - a. Gloss Finish

- 1st Coat: S-W A-100 Exterior Latex Primer, B42W41
(4 mils wet, 1.4 mils dry)
- (if Tannin Bleeding occurs, use A-100 Exterior Wood Primer, Y24W20)
- 2nd Coat: S-W DTM Acrylic Gloss Coating, B66 Series
- 3rd Coat: S-W DTM Acrylic Gloss Coating, B66 Series
(8 mils wet, 3 mils dry per coat)

- 1st Coat: S-W A-100 Exterior Latex Primer, B42W41
(4 mils wet, 1.4 mils dry)
- (if Tannin Bleeding occurs, use A-100 Exterior Wood Primer, Y24W20)
- 2nd Coat: S-W A-100 Gloss Latex House & Trim, A8 Series
- 3rd Coat: S-W A-100 Gloss Latex House & Trim, A8 Series
(4 mils wet, 1.4 mils dry per coat)

- b. Satin Finish

- 1st Coat: S-W A-100 Exterior Latex Primer, B42W41
(4 mils wet, 1.4 mils dry)
- (if Tannin Bleeding occurs, use A-100 Exterior Wood Primer, Y24W20)
- 2nd Coat: S-W A-100 Satin Latex House & Trim, A82 Series
- 3rd Coat: S-W A-100 Satin Latex House & Trim, A82 Series
(4 mils wet, 1.4 mils dry per coat)

- c. Flat Finish

- 1st Coat: S-W A-100 Exterior Latex Primer, B42W41
(4 mils wet, 1.4 mils dry)
- (if Tannin Bleeding occurs, use A-100 Exterior Wood Primer, Y24W20)
- 2nd Coat: S-W A-100 Flat Latex House & Trim, A6 Series
- 3rd Coat: S-W A-100 Flat Latex House & Trim, A6 Series
(4 mils wet, 1.4 mils dry per coat)
- 2. Alkyd Systems
 - a. Gloss Finish
 - 1st Coat: S-W A-100 Exterior Wood Primer, Y24W20
(4 mils wet, 2.2 mils dry)
 - 2nd Coat: SWP Exterior Gloss Paint, A2 Series
 - 3rd Coat: SWP Exterior Gloss Paint, A2 Series
(4 mils wet, 2 mils dry per coat)
 - b. Flat Finish
 - 1st Coat: S-W A-100 Exterior Wood Primer, Y24W20
(4 mils wet, 2.2 mils dry)
 - 2nd Coat: S-W ProMar Alkyd Flat Exterior Finish, B38 Series
 - 3rd Coat: S-W ProMar Alkyd Flat Exterior Finish, B38 Series
(4 mils wet, 2 mils dry per coat)
- 3. Stain - Alkyd Systems
 - a. Semi-Transparent
 - 1st Coat: S-W Semi-Transparent Wood Preservative Stain, A14T5
 - 2nd Coat: S-W Semi-Transparent Wood Preservative Stain, A14T5
 - b. Solid Color
 - 1st Coat: S-W Solid Color Exterior Stain, A14 Series
 - 2nd Coat: S-W Solid Color Exterior Stain, A14 Series
- 4. Stain - Latex Systems
 - a. Solid Color
 - 1st Coat: S-W A-100 Exterior Latex Primer, B42W41
(4 mils wet, 1.4 mils dry)
 - (if Tannin Bleeding occurs, use A-100 Exterior Wood Primer, Y24W20)
 - 2nd Coat: S-W Exterior Latex Solid Color Stain, B22 Series
 - 3rd Coat: S-W Exterior Latex Solid Color Stain, B22 Series
(4 mils wet, 1.5 mils dry per coat)
- 5. Clear Alkyd System
 - a. Gloss
 - 1st Coat: S-W Exterior Varnish, A67V4
(Bare Wood: Reduce 1 pint mineral spirits per gallon)
 - 2nd Coat: S-W Exterior Varnish, A67V4

INTERIOR SURFACES

CONCRETE - (Walls & Ceilings, Poured Concrete, Precast Concrete, Unglazed Brick, Cement Board)

- 1. Latex Systems
 - a. Gloss Finish
 - 1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)

- 2nd Coat: S-W ProMar 200 Latex Gloss Paint, B21W201
- 3rd Coat: S-W ProMar 200 Latex Gloss Paint, B21W201
(4 mils wet, 2 mils dry per coat)
- b. Semi-Gloss Finish
 - 1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
 - 2nd Coat: S-W ProMar 200 Latex Semi-Gloss Enamel, B31W200
 - 3rd Coat: S-W ProMar 200 Latex Semi-Gloss Enamel, B31W200
(4 mils wet, 1.5 mils dry per coat)
- c. Eg-Shel Finish
 - 1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
 - 2nd Coat: S-W ProMar 200 Latex Eg-Shel Enamel, B20W200
 - 3rd Coat: S-W ProMar 200 Latex Eg-Shel Enamel, B20W200
(4 mils wet, 1.3 mils dry per coat)
- d. Flat Finish
 - 1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
 - 2nd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
 - 3rd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
(4 mils wet, 1.4 mils dry per coat)
- 2. Alkyd Systems
 - a. Gloss Finish
 - 1st Coat: S-W Wall & Wood Primer, B49W2
(4 mils wet, 2 mils dry)
 - 2nd Coat: S-W Industrial Enamel, B54 Series
 - 3rd Coat: S-W Industrial Enamel, B54 Series
(4 mils wet, 2 mils dry)
 - b. Semi-Gloss Finish
 - 1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
 - 2nd Coat: S-W ProMar 200 Alkyd Semi-Gloss Enamel, B34W200
 - 3rd Coat: S-W ProMar 200 Alkyd Semi-Gloss Enamel, B34W200
(4 mils wet, 2 mils dry per coat)
 - c. Eg-Shel Finish
 - 1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
 - 2nd Coat: S-W ProMar 200 Alkyd Eg-Shel Enamel, B33W200
 - 3rd Coat: S-W ProMar 200 Alkyd Eg-Shel Enamel, B33W200
(4 mils wet, 2 mils dry)
 - d. Flat Finish
 - 1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
 - 2nd Coat: S-W ProMar 200 Alkyd Flat Wall Paint B32W200
 - 3rd Coat: S-W ProMar 200 Alkyd Flat Wall Paint B32W200
(4 mils wet, 2.7 mils dry per coat)
- 3. Epoxy System (Solvent Base)
 - a. Gloss Finish
 - 1st Coat: S-W Tile-Clad II Epoxy, B62W100 Series
 - 2nd Coat: S-W Tile-Clad II Epoxy, B62W100 Series
(9 mils wet, 4 mils dry per coat)

4. Epoxy System (Water Base)
 - a. Gloss Finish
 - 1st Coat: S-W Water-Based Catalyzed Epoxy B70/B60V15
 - 2nd Coat: S-W Water-Based Catalyzed Epoxy B70/B60V15
(8 mils wet, 3 mils dry per coat)
 - b. Semi-Gloss Finish
 - 1st Coat: S-W Water-Based Catalyzed Epoxy B70/B60V25
 - 2nd Coat: S-W Water-Based Catalyzed Epoxy B70/B60V25
(8 mils wet, 3 mils dry per coat)
5. Urethane System
 - a. Gloss Finish
 - 1st Coat: S-W Bild & Finish Epoxy B67W1/B67V1
(9 mils wet, 6 mils dry)
 - 2nd Coat: S-W Hi-Bild Aliphatic Polyurethane B65W100/B60V2
(8 mils wet, 3 mils dry)

MASONRY - (Ceilings)

1. Dryfall Alkyd Systems
 - a. Gloss Finish
 - 1st Coat: S-W Wall & Wood Primer, B49W2
(4 mils wet, 2 mils dry)
 - 2nd Coat: S-W Super Save-Lite Dryfall Gloss, B47W65
(5 mils wet, 2 mils dry)
 - b. Semi-Gloss Finish
 - 1st Coat: S-W Wall & Wood Primer B49W2
(4 mils wet, 2 mils dry)
 - 2nd Coat: S-W Super Save-Lite Dryfall, Semi-Gloss, B47W62
(6 mils wet, 3 mils dry)
 - c. Flat Finish
 - 1st Coat: S-W Wall & Wood Primer, B49W2
(4 mils wet, 2 mils dry)
 - 2nd Coat: S-W Super Save-Lite Dryfall Flat, B48W61
(6 mils wet, 3 mils dry)
2. Dryfall Waterborne Systems
 - a. Semi-Gloss Finish
 - 1st Coat: S-W Waterborne Acrylic Dryfall, B42WW2
 - 2nd Coat: S-W Waterborne Acrylic Dryfall, B42WW2
(7 mils wet, 3 mils dry per coat)
 - b. Flat Finish
 - 1st Coat: S-W Waterborne Acrylic Dryfall, B42W1
 - 2nd Coat: S-W Waterborne Acrylic Dryfall, B42W1
(7 mils wet, 3 mils dry per coat)

CONCRETE MASONRY UNITS

1. Latex Systems
 - a. Gloss Finish

- 1st Coat: S-W ProMar Interior/Exterior Block Filler, B25W25
(75-125 sq.ft./gal.)
- 2nd Coat: S-W ProMar 200 Latex Gloss Paint, B21W201
- 3rd Coat: S-W ProMar 200 Latex Gloss Paint, B21W201
(4 mils wet, 2 mils dry per coat)
- b. Semi-Gloss Finish
 - 1st Coat: S-W ProMar Interior/Exterior Block Filler B25W25
(75-125 sq.ft./gal.)
 - 2nd Coat: S-W ProMar 200 Latex Semi-Gloss B31W200 Series
 - 3rd Coat: S-W ProMar 200 Latex Semi-Gloss B31W200 Series
(4 mils wet, 1.5 mils dry per coat)
- c. Eg-Shel Finish
 - 1st Coat: S-W ProMar Interior/Exterior Block Filler B25W25
(75-125 sq.ft./gal.)
 - 2nd Coat: S-W ProMar 200 Latex Eg-Shel B20W200 Series
 - 3rd Coat: S-W ProMar 200 Latex Eg-Shel B20W200 Series
(4 mils wet, 1.3 mils dry per coat)
- d. Flat Finish
 - 1st Coat: S-W ProMar Interior/Exterior Block Filler B25W25
(75-125 sq.ft./gal.)
 - 2nd Coat: S-W ProMar 200 Latex Flat Wall Paint B30W200
 - 3rd Coat: S-W ProMar 200 Latex Flat Wall Paint B30W200
(4 mils wet, 1.4 mils dry per coat)
- 2. Alkyd Systems
 - a. Gloss Finish
 - 1st Coat: S-W ProMar Int/Ext Block Filler B25W25
(75-125 sq.ft./gal.)
 - 2nd Coat: S-W Industrial Enamel, B54 Series
 - 3rd Coat: S-W Industrial Enamel, B54 Series
(4 mils wet, 2 mils dry)
 - b. Semi-Gloss Finish
 - 1st Coat: S-W ProMar Int/Ext Block Filler, B25W25
(75-125 sq.ft./gal.)
 - 2nd Coat: S-W ProMar 200 Alkyd Semi-Gloss B34W200 Series
 - 3rd Coat: S-W ProMar 200 Alkyd Semi-Gloss B34W200 Series
(4 mils wet, 2 mils dry per coat)
 - c. Eg-Shel Finish
 - 1st Coat: S-W ProMar Int/Ext Block Filler B25W25
(75-125 sq.ft./gal.)
 - 2nd Coat: S-W ProMar 200 Alkyd Eg-Shel B33W200 Series
 - 3rd Coat: S-W ProMar 200 Alkyd Eg-Shel B33W200 Series
(4 mils wet, 2 mils dry per coat)
 - d. Flat Finish
 - 1st Coat: S-W ProMar Int/Ext Block Filler B25W25
(75-125 sq.ft./gal.)
 - 2nd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W200
 - 3rd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W200
(4 mils wet, 2.7 mils dry per coat)

3. Epoxy System (Solvent Base)

a. Gloss Finish

1st Coat: S-W Tile-Clad II Epoxy, B62W100 Series
2nd Coat: S-W Tile-Clad II Epoxy, B62W100 Series
(9 mils wet, 4 mils dry per coat)

4. Epoxy System (Water Base)

a. Gloss Finish

1st Coat: S-W Heavy Duty Block Filler, B42W46
(87-108 sq.ft./gal. 8-10 mils dry)
2nd Coat: S-W Water Based Catalyzed Epoxy B70/B60V15
3rd Coat: S-W Water Based Catalyzed Epoxy B70/B60V15
(8 mils wet, 3 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W Heavy Duty Block Filler, B42W46
(87-108 sq.ft./gal. 8-10 mils dry)
2nd Coat: S-W Water Based Catalyzed Epoxy B70/B60V25
3rd Coat: S-W Water Based Catalyzed Epoxy B70/B60V25
(8 mils wet, 3 mils wet per coat)

5. Urethane System

a. Gloss Finish

1st Coat: S-W Heavy Duty Block Filler, B42W46
(87-108 sq.ft./gal. 8-10 mils dry)
2nd Coat: S-W Hi-Bild Aliphatic Polyurethane B65W100
3rd Coat: S-W Hi-Bild Aliphatic Polyurethane B65W100
(8 mils wet, 3 mils dry per coat)

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NOTE: FOR A HARDER, MORE MOISTURE RESISTANT FINISH OR FOR AREAS
UNDER SEVERE MOISTURE CONDITIONS, USE S-W KEM CATI-COAT EPOXY
FILLER/SEALER B42WA8/B42WA9

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CONCRETE FLOORS

1. Alkyd Systems

a. Gloss Finish

1st Coat: S-W Concrete and Terrazzo Sealer, B44V22
(Do not build a surface film)
2nd Coat: S-W Industrial Enamel, B54 Series
3rd Coat: S-W Industrial Enamel, B54 Series
(4 mils wet, 2 mils dry per coat)

2. Epoxy System (Solvent Base)

a. Gloss Finish

1st Coat: S-W Tile-Clad II Epoxy, B62W100 Series
2nd Coat: S-W Tile-Clad II Epoxy, B62W100 Series
(9 mils wet, 4 mils dry per coat)

ALUMINUM

1. Latex Systems

a. Gloss Finish

1st Coat: S-W ProMar 200 Latex Gloss Paint, B21W201

- 2nd Coat: S-W ProMar 200 Latex Gloss Paint, B21W201
(4 mils wet, 2 mils dry per coat)
- b. Semi-Gloss Finish
1st Coat: S-W ProMar 200 Latex Semi-Gloss B31W200 Series
2nd Coat: S-W ProMar 200 Latex Semi-Gloss B31W200 Series
(4 mils wet, 1.5 mils dry per coat)
- c. Eg-Shel Finish
1st Coat: S-W ProMar 200 Latex Eg-Shel B20W200 Series
2nd Coat: S-W ProMar 200 Latex Eg-Shel B20W200 Series
(4 mils wet, 1.3 mils dry per coat)
- d. Flat Finish
1st Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
2nd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
(4 mils wet, 1.4 mils dry per coat)
2. Alkyd Systems
- a. Gloss Finish
1st Coat: Zinc Chromate Primer, B50Y1
(6 mils wet, 3 mils dry)
2nd Coat: S-W Industrial Enamel, B54 Series
3rd Coat: S-W Industrial Enamel, B54 Series
(4 mils wet, 2 mils dry per coat)
- b. Semi-Gloss Finish
1st Coat: Zinc Chromate Primer, B50Y1
(6 mils wet, 3 mils dry)
2nd Coat: S-W ProMar 200 Alkyd Semi-Gloss B34W200 Series
3rd Coat: S-W ProMar 200 Alkyd Semi-Gloss B34W200 Series
(4 mils wet, 2 mils dry per coat)
- c. Eg-Shel Finish
1st Coat: Zinc Chromate Primer, B50Y1
(6 mils wet, 3 mils dry)
2nd Coat: S-W ProMar 200 Alkyd Eg-Shel B33W200 Series
3rd Coat: S-W ProMar 200 Alkyd Eg-Shel B33W200 Series
(4 mils wet, 2 mils dry per coat)
- d. Flat Finish
1st Coat: Zinc Chromate Primer, B50Y1
(6 mils wet, 3 mils dry)
2nd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W200
3rd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W200
(4 mils wet, 2.7 mils dry per coat)
3. Epoxy System (Solvent Base)
- a. Gloss Finish
1st Coat: S-W Wash Primer Green P60G2/R7K44
(2 mils wet, 0.3 mils dry)
2nd Coat: S-W Tile-Clad II Epoxy B62W201/B60V70
(9 mils wet, 4 mils dry)

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Dry film thickness requirement of Wash Primer Green is critical
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b. Semi-Gloss Finish

- 1st Coat: S-W Wash Primer Green, P60G2/R7K44
(2 mils wet, 0.3 mils dry)
- 2nd Coat: S-W Heavy Duty Epoxy, B67 Series/B60V3
(10 mils wet, 6 mils dry)

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Dry film thickness requirement of Wash Primer Green is critical
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c. Flat Finish

- 1st Coat: S-W Bild and Finish Epoxy, B67W1/B67V1
- 2nd Coat: S-W Bild and Finish Epoxy, B67W1/B67V1
(9 mils wet, 6 mils dry per coat)

4. Epoxy Systems (Water Base)

a. Gloss Finish

- 1st Coat: S-W Water Based Catalyzed Epoxy, B70/B60V15
- 2nd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V15
(8 mils wet, 3 mils dry per coat)

b. Semi-Gloss Finish

- 1st Coat: S-W Water Based Catalyzed Epoxy, B70/B60V25
- 2nd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V25
(8 mils wet, 3 mils dry per coat)

5. Urethane System

a. Gloss Finish

- 1st Coat: S-W Wash Primer Green, P60G2/R7K44
(2 mils wet, 0.3 mils dry)
- 2nd Coat: S-W Hi-Bild Aliphatic Polyurethane, B65W100
(8 mils wet, 3 mils dry)

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Dry film thickness requirement of Wash Primer Green is critical
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GALVANIZED

1. Latex Systems

a. Gloss Finish

- 1st Coat: S-W DTM Acrylic Gloss Coating, B66 Series
- 2nd Coat: S-W DTM Acrylic Gloss Coating, B66 Series
(8 mils wet, 3 mils dry per coat)

b. Gloss Finish

- 1st Coat: S-W ProMar 200 Latex Gloss Enamel, B21W201
- 2nd Coat: S-W ProMar 200 Latex Gloss Enamel, B21W201
(4 mils wet, 2 mils dry per coat)

c. Semi-Gloss Finish

- 1st Coat: S-W ProMar 200 Latex Semi-Gloss B31W200 Series
- 2nd Coat: S-W ProMar 200 Latex Semi-Gloss B31W200 Series
(4 mils wet, 1.3 mils dry per coat)

d. Eg-Shel Finish

1st Coat: S-W ProMar 200 Latex Eg-Shel, B20W200 Series
2nd Coat: S-W ProMar 200 Latex Eg-Shel, B20W200 Series
(4 mils wet, 1.5 mils dry per coat)

e. Flat Finish

1st Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
2nd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
(4 mils wet, 1.4 mils dry per coat)

2. Alkyd Systems

a. Gloss Finish

1st Coat: S-W Galvite Paint, B50W1
(6 mils wet, 2 mils dry)
2nd Coat: S-W Industrial Enamel, B54 Series
3rd Coat: S-W Industrial Enamel, B54 Series
(4 mils wet, 2 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W Galvite Paint, B50W1
(6 mils wet, 2 mils dry)
2nd Coat: S-W ProMar 200 Alkyd Semi-Gloss B34W200 Series
3rd Coat: S-W ProMar 200 Alkyd Semi-Gloss B34W200 Series
(4 mils wet, 1.7 mils dry per coat)

c. Eg-Shel Finish

1st Coat: S-W Galvite Paint, B50W1
(6 mils wet, 2 mils dry)
2nd Coat: S-W ProMar 200 Alkyd Eg-Shel B33W200 Series
3rd Coat: S-W ProMar 200 Alkyd Eg-Shel B33W200 Series
(4 mils wet, 1.7 mils dry per coat)

d. Flat Finish

1st Coat: S-W Galvite Paint, B50W1
(6 mils wet, 2 mils dry)
2nd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W200
3rd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W200
(4 mils wet, 1.8 mils dry per coat)

3. Epoxy System (Solvent Base)

a. Gloss Finish

1st Coat: S-W Tile Clad II Epoxy, B62 Series
2nd Coat: S-W Tile Clad II Epoxy, B62 Series
(9 mils wet, 4 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W Wash Primer Green, P60G2/R7K44
(2 mils wet, 0.3 mils dry)
2nd Coat: S-W Heavy Duty Epoxy, B67 Series/B60V3
(10 mils wet, 6 mils dry)

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Dry film thickness requirement of Wash Primer Green is critical

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- c. Flat Finish
 - 1st Coat: S-W Bild and Finish Epoxy, B67W1/B67V1
 - 2nd Coat: S-W Bild and Finish Epoxy, B67W1/B67V1
(9 mils wet, 6 mils dry per coat)
- 4. Epoxy System (Water Base)
 - a. Gloss Finish
 - 1st Coat: S-W Water Based Catalyzed Epoxy, B70/B60V15
 - 2nd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V15
(8 mils wet, 3 mils dry per coat)
 - b. Semi-Gloss Finish
 - 1st Coat: S-W Water Based Catalyzed Epoxy, B70/B60V25
 - 2nd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V25
(8 mils wet, 3 mils dry per coat)

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METAL - (Structural Steel Columns, Joists, Trusses, Beams, Misc.
& Ornamental Iron, Sashes, Doors, Partitions, Cabinets, Lockers,
Radiators, Pumps, Motors, Machines, Convector, Ducts
[Ventilating], Elevator Cabs, Copper, Non-Galvanized Metal)

- 1. Latex Systems
 - a. Gloss Finish
 - 1st Coat: DTM Acrylic Primer/Finish, B66W1
(6 mils wet, 3 mils dry)
 - 2nd Coat: DTM Acrylic Gloss Coating, B66 Series
 - 3rd Coat: DTM Acrylic Gloss Coating, B66 Series
(8 mils wet, 3 mils dry per coat)
 - 1st Coat: DTM Acrylic Primer/Finish, B66W1
(6 mils wet, 3 mils dry)
 - 2nd Coat: S-W ProMar 200 Latex Gloss B21W201 Series
 - 3rd Coat: S-W ProMar 200 Latex Gloss B21W201 Series
(4 mils wet, 2 mils dry per coat)
 - b. Semi-Gloss Finish
 - 1st Coat: S-W DTM Acrylic Primer/Finish, B66W1
(6 mils wet, 3 mils dry)
 - 2nd Coat: S-W Metalatex Semi-Gloss Enamel, B42 Series
 - 3rd Coat: S-W Metalatex Semi-Gloss Enamel, B42 Series
(4 mils wet, 1.5 mils dry per coat)
 - 1st Coat: DTM Acrylic Primer/Finish, B66W1
(6 mils wet, 3 mils dry)
 - 2nd Coat: S-W ProMar 200 Latex Semi-Gloss B31W200 Series
 - 3rd Coat: S-W ProMar 200 Latex Semi-Gloss B31W200 Series
(4 mils wet, 1.3 mils dry per coat)
 - c. Eg-Shel Finish
 - 1st Coat: DTM Acrylic Primer/Finish, B66W1
(6 mils wet, 3 mils dry)
 - 2nd Coat: S-W ProMar 200 Latex Eg-Shel, B20W200 Series
 - 3rd Coat: S-W ProMar 200 Latex Eg-Shel, B20W200 Series
(4 mils wet, 1.5 mils dry per coat)
 - d. Flat Finish
 - 1st Coat: DTM Acrylic Primer/Finish, B66W1
 - 2nd Coat: DTM Acrylic Primer/Finish, B66W1
(6 mils wet, 3 mils dry per coat)

1st Coat: DTM Acrylic Primer/Finish, B66W1
(6 mils wet, 3 mils dry)
2nd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
3rd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
(4 mils wet, 1.4 mils dry)

2. Alkyd Systems

a. Gloss Finish

1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(6 mils wet, 3 mils dry)
2nd Coat: S-W Industrial Enamel, B54 Series
3rd Coat: S-W Industrial Enamel, B54 Series
(4 mils wet, 2 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(6 mils wet, 3 mils dry)
2nd Coat: S-W ProMar 200 Alkyd Semi-Gloss, B34W200 Series
3rd Coat: S-W ProMar 200 Alkyd Semi-Gloss, B34W200 Series
(4 mils wet, 1.7 mils dry per coat)

c. Eg-Shel Finish

1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(6 mils wet, 3 mils dry)
2nd Coat: S-W ProMar 200 Alkyd Eg-Shel B33W200 Series
3rd Coat: S-W ProMar 200 Alkyd Eg-Shel B33W200 Series
(4 mils wet, 2.7 mils dry per coat)

d. Flat Finish

1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(6 mils wet, 3 mils dry)
2nd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W200
3rd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W200
(4 mils wet, 2.7 mils dry per coat)

3. Epoxy System (Solvent Base)

a. Gloss Finish

1st Coat: S-W Tile Clad II Epoxy Primer, B62N71/B60V70
(8 mils wet, 4 mils dry)
2nd Coat: S-W Tile Clad II Epoxy, B62 Series
3rd Coat: S-W Tile Clad II Epoxy, B62 Series
(9 mils wet, 4 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W Tile Clad II Epoxy Primer, B62N71/B60V70
(8 mils wet, 4 mils dry)
2nd Coat: S-W Heavy Duty Epoxy, B67 Series/B60V3
3rd Coat: S-W Heavy Duty Epoxy, B67 Series/B60V3
(10 mils wet, 6 mils dry per coat)

c. Flat Finish

1st Coat: Recoatable Epoxy Primer, B67 Series

(6 mils wet, 4 mils dry)
2nd Coat: S-W Bild and Finish Epoxy, B67W1/B67V1
3rd Coat: S-W Bild and Finish Epoxy, B67W1/B67V1
(9 mils wet, 6 mils dry per coat)

4. Epoxy System (Water Base)

a. Gloss Finish

1st Coat: S-W Water-Based Catalyzed Epoxy Primer, B70W100
(8 mils wet, 3 mils dry)
2nd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V15
3rd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V15
(8 mils wet, 3 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W Water-Based Catalyzed Epoxy Primer, B70W100
(8 mils wet, 3 mils dry)
2nd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V25
3rd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V25
(8 mils wet, 3 mils dry per coat)

5. Urethane System

a. Gloss Finish

1st Coat: S-W Tile Clad II Hi-Bild Primer, B62N71/B60V70
(8 mils wet, 4 mils dry)
2nd Coat: S-W Hi-Bild Aliphatic Polyurethane, B65W100
3rd Coat: S-W Hi-Bild Aliphatic Polyurethane, B65W100
(8 mils wet, 3 mils dry per coat)

METAL - (Ceilings - Structural Steel, Joists, Trusses, Beams)

1. Dryfall Alkyd Systems

a. Gloss Finish

1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(6 mils wet, 3 mils dry)
2nd Coat: S-W Super Save Lite Dryfall Gloss, B47W65
(5 mils wet, 2 mils dry)

b. Semi-Gloss Finish

1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(6 mils wet, 3 mils dry)
2nd Coat: S-W Super Save Lite Dryfall Semi-Gloss, B47W62
(6 mils wet, 3 mils dry)

c. Flat Finish

1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(6 mils wet, 3 mils dry)
2nd Coat: S-W Super Save Lite Dryfall Flat, B48W61
(6 mils wet, 3 mils dry)

2. Dryfall Waterborne Systems

a. Semi-Gloss Finish

1st Coat: S-W DTM Acrylic Primer/Finish, B66W1
(6 mils wet, 3 mils dry)
2nd Coat: S-W Waterborne Acrylic Dryfall, B42WW2
(7 mils wet, 3 mils dry)

b. Flat Finish

- 1st Coat: S-W DTM Acrylic Primer/Finish, B66W1
(6 mils wet, 3 mils dry)
- 2nd Coat: S-W Waterborne Acrylic Dryfall, B42W1
(7 mils wet, 3 mils dry)

WOOD - (Walls, Ceilings, Doors, Trim, Cabinet Work, Counters, Partitions, Frames [Including hardboard, plywood, Sitka Spruce, Southern Pine, Douglas Fir, Cedar, Redwood, Lauan])

1. Latex Systems

a. Gloss Finish

- 1st Coat: S-W Wall & Wood Primer, B49W2
(4 mils wet, 2 mils dry)
- 2nd Coat: S-W ProMar 200 Latex Gloss, B21W201 Series
- 3rd Coat: S-W ProMar 200 Latex Gloss, B21W201 Series
(4 mils wet, 2 mils dry per coat)

b. Semi-Gloss Finish

- 1st Coat: S-W Wall & Wood Primer, B49W2
(4 mils wet, 2 mils dry)
- 2nd Coat: S-W ProMar 200 Latex Semi-Gloss B31W200 Series
- 3rd Coat: S-W ProMar 200 Latex Semi-Gloss B31W200 Series
(4 mils wet, 1.5 mils dry per coat)

c. Eg-Shel Finish

- 1st Coat: S-W Wall & Wood Primer, B49W2
(4 mils wet, 2 mils dry)
- 2nd Coat: S-W ProMar 200 Latex Eg-Shel, B20W200 Series
- 3rd Coat: S-W ProMar 200 Latex Eg-Shel, B20W200 Series
(4 mils wet, 1.5 mils dry per coat)

d. Flat Finish

- 1st Coat: S-W Wall & Wood Primer, B49W2
(4 mils wet, 2 mils dry)
- 2nd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
- 3rd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
(4 mils wet, 1.4 mils dry per coat)

2. Alkyd Systems

a. Gloss Finish

- 1st Coat: S-W Wall & Wood Primer, B49W2
(4 mils wet, 2 mils dry)
- 2nd Coat: ProMar 200 Alkyd Gloss Enamel, B35W201
- 3rd Coat: ProMar 200 Alkyd Gloss Enamel, B35W201
(4 mils wet, 1.6 mils dry per coat)

b. Semi-Gloss Finish

- 1st Coat: S-W Wall & Wood Primer, B49W2
(4 mils wet, 2 mils dry)
- 2nd Coat: S-W ProMar 200 Alkyd Semi-Gloss B34W200 Series
- 3rd Coat: S-W ProMar 200 Alkyd Semi-Gloss B34W200 Series

(4 mils wet, 2 mils dry per coat)

c. Eg-Shel Finish

1st Coat: S-W Wall & Wood Primer, B49W2

(4 mils wet, 2 mils dry)

2nd Coat: S-W ProMar 200 Alkyd Eg-Shel B33W200 Series

3rd Coat: S-W ProMar 200 Alkyd Eg-Shel B33W200 Series
(4 mils wet, 1.8 mils dry per coat)

d. Flat Finish

1st Coat: S-W Wall & Wood Primer, B49W2

(4 mils wet, 2 mils dry)

2nd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W200

3rd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W200
(4 mils wet, 2.7 mils dry per coat)

3. Epoxy System (Solvent Base)

a. Semi-Gloss Finish

1st Coat: S-W All Weather Epoxy, B62W400 Series/B60V70

2nd Coat: S-W All Weather Epoxy, B62W400 Series/B60V70
(6 mils wet, 4 mils dry per coat)

4. Epoxy System (Water Base)

a. Gloss Finish

1st Coat: S-W Wall & Wood Primer, B49W2

(4 mils wet, 2 mils dry)

2nd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V15

3rd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V15
(8 mils wet, 3 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W Wall & Wood Primer, B49W2

(4 mils wet, 2 mils dry)

2nd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V25

3rd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V25
(8 mils wet, 3 mils dry per coat)

5. Stained & Varnished (Clear Finish)

a. Open Grained Wood

1st Coat: S-W Interior Oil Stain, A48 Series

2nd Coat: S-W SHERWOOD Natural Filler, D70T1

3rd Coat: S-W Oil Base Varnish, Gloss A66V91

4th Coat: S-W Oil Base Varnish, Gloss or Satin A66 Series

b. Closed Grain Wood

1st Coat: S-W Interior Oil Stain, A48 Series

2nd Coat: S-W Oil Base Varnish, Gloss A66V91

3rd Coat: S-W Oil Base Varnish, Gloss or Satin A66 Series

WOOD FLOORS - (Painted, Stained, Varnished, Gym Floors [New],
Heavy Duty Ballroom, Convention, Etc.)

1. Alkyd Systems

a. Gloss Finish

- 1st Coat: S-W Industrial Enamel, B54 Series
- 2nd Coat: S-W Industrial Enamel, B54 Series
(4 mils wet, 2 mils dry per coat)
- 2. Epoxy Systems
 - a. Gloss Finish
 - 1st Coat: S-W Tile Clad II Epoxy, B62 Series
 - 2nd Coat: S-W Tile Clad II Epoxy, B62 Series
(9 mils wet, 4 mils dry per coat)
 - 3. Urethane System
 - a. Gloss Finish
 - 1st Coat: S-W Oil Stain (omit if clear finish is desired)
 - 2nd Coat: S-W Polyurethane Varnish, A67V1/A67F1
 - 3rd Coat: S-W Polyurethane Varnish, A67V1/A67F1
(4 mils wet, 1.5 mils dry per coat)
 - b. Gloss Finish
 - 1st Coat: S-W Rexthane Heavy Duty Polyurethane, B44V20
 - 2nd Coat: S-W Rexthane Heavy Duty Polyurethane, B44V20
(3 mils wet, 1 mil dry per coat)
- K. GYPSUM WALLBOARD - (Walls and ceilings)
 - 1. Latex Systems
 - a. Gloss Finish
 - 1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
 - 2nd Coat: S-W ProMar 200 Latex Gloss, B21W201 Series
 - 3rd Coat: S-W ProMar 200 Latex Gloss, B21W201 Series
(4 mils wet, 2 mils dry per coat)
 - b. Semi-Gloss Finish
 - 1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
 - 2nd Coat: S-W ProMar 200 Latex Semi-Gloss, B31W200 Series
 - 3rd Coat: S-W ProMar 200 Latex Semi-Gloss, B31W200 Series
(4 mils wet, 1.3 mils dry per coat)
 - c. Eg-Shel Finish
 - 1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
 - 2nd Coat: S-W ProMar 200 Latex Eg-Shel, B20W200 Series
 - 3rd Coat: S-W ProMar 200 Latex Eg-Shel, B20W200 Series
(4 mils wet, 1.6 mils dry per coat)
 - d. Flat Finish
 - 1st Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
(4 mils wet, 1.4 mils dry)
 - 2nd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
 - 3rd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
(4 mils wet, 1.4 mils dry per coat)
 - 2. Alkyd Systems
 - a. Gloss Finish

1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
2nd Coat: S-W Industrial Enamel, B54 Series
3rd Coat: S-W Industrial Enamel, B54 Series
(4 mils wet, 2 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
2nd Coat: S-W ProMar 200 Alkyd Semi-Gloss, B34W200 Series
3rd Coat: S-W ProMar 200 Alkyd Semi-Gloss, B34W200 Series
(4 mils wet, 2.7 mils dry per coat)

c. Eg-Shel Finish

1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
2nd Coat: S-W ProMar 200 Alkyd Eg-Shel, B33W200 Series
3rd Coat: S-W ProMar 200 Alkyd Eg-Shel, B33W200 Series
(4 mils wet, 1.7 mils dry per coat)

d. Flat Finish

1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
2nd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W200
3rd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W200
(4 mils wet, 2.7 mils dry per coat)

3. Epoxy System (Solvent Base)

a. Gloss Finish

1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
2nd Coat: S-W Tile Clad II Epoxy, B62 Series/B60V70
3rd Coat: S-W Tile Clad II Epoxy, B62 Series/B60V70
(9 mils wet, 4 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
2nd Coat: S-W Heavy Duty Epoxy, B67 Series/B60V3
3rd Coat: S-W Heavy Duty Epoxy, B67 Series/B60V3
(10 mils wet, 6 mils dry per coat)

c. Flat Finish

1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
1st Coat: S-W Bild and Finish Epoxy, B67W1/B67V1
2nd Coat: S-W Bild and Finish Epoxy, B67W1/B67V1
(9 mils wet, 6 mils dry per coat)

4. Epoxy System (Water Base)

a. Gloss Finish

1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
2nd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V15
3rd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V15

(8 mils wet, 3 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200

(4 mils wet, 1.2 mils dry)

2nd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V25

3rd Coat: S-W Water Based Catalyzed Epoxy, B70/B60V25

(8 mils wet, 3 mils dry per coat)

PLASTER - (Walls, Ceilings, Dadoes)

1. Latex Systems

a. Gloss Finish

1st Coat: S-W Wall & Wood Primer, B49W2

(4 mils wet, 2 mils dry)

2nd Coat: S-W ProMar 200 Latex Gloss, B21W201 Series

3rd Coat: S-W ProMar 200 Latex Gloss, B21W201 Series

(4 mils wet, 2 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W Wall & Wood Primer, B49W2

(4 mils wet, 2 mils dry)

2nd Coat: S-W ProMar 200 Latex Semi-Gloss, B31W200 Series

3rd Coat: S-W ProMar 200 Latex Semi-Gloss, B31W200 Series

(4 mils wet, 1.3 mils dry per coat)

c. Eg-Shel Finish

1st Coat: S-W Wall & Wood Primer, B49W2

(4 mils wet, 2 mils dry)

2nd Coat: S-W ProMar 200 Latex Eg-Shel, B20W200 Series

3rd Coat: S-W ProMar 200 Latex Eg-Shel, B20W200 Series

(4 mils wet, 1.5 mils dry per coat)

d. Flat Finish

1st Coat: S-W Wall & Wood Primer, B49W2

(4 mils wet, 2 mils dry)

2nd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200

3rd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200

(4 mils wet, 1.4 mils dry per coat)

2. Alkyd Systems

a. Gloss Finish

1st Coat: S-W Wall & Wood Primer, B49W2

(4 mils wet, 2 mils dry)

2nd Coat: S-W Industrial Enamel, B54 Series

3rd Coat: S-W Industrial Enamel, B54 Series

(4 mils wet, 2 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W Wall & Wood Primer, B49W2

(4 mils wet, 2 mils dry)

2nd Coat: S-W ProMar 200 Alkyd Semi-Gloss, B34W200 Series

3rd Coat: S-W ProMar 200 Alkyd Semi-Gloss, B34W200 Series

(4 mils wet, 2.7 mils dry per coat)

c. Eg-Shel Finish

- 1st Coat: S-W Wall & Wood Primer, B49W2
(4 mils wet, 2 mils dry)
- 2nd Coat: S-W ProMar 200 Alkyd Eg-Shel, B33W200 Series
- 3rd Coat: S-W ProMar 200 Alkyd Eg-Shel, B33W200 Series
(4 mils wet, 1.7 mils dry per coat)

d. Flat Finish

- 1st Coat: S-W Wall & Wood Primer, B49W2
(4 mils wet, 2 mils dry)
- 2nd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W201
- 3rd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W201
(4 mils wet, 2.7 mils dry per coat)

CANVAS - (Wall Covering, Pipe Wrapping, Etc.)

1. Alkyd Systems

a. Flat Finish

- 1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
- 2nd Coat: S-W ProMar 200 Alkyd Flat Wall Paint, B32W201
(4 mils wet, 2 mils dry)

2. Latex Systems

a. Flat Finish

- 1st Coat: S-W ProMar 200 Latex Wall Primer, B28W200
(4 mils wet, 1.2 mils dry)
- 2nd Coat: S-W ProMar 200 Latex Flat Wall Paint, B30W200
(4 mils wet, 1.4 mils dry)

HEAT RESISTANT COATINGS

1. Oleoresinous System - Max. Temperature 400oF.

a. Aluminum Finish

- 1st Coat: S-W Silver-Brite Aluminum, B59S11
- 2nd Coat: S-W Silver-Brite Aluminum, B59S11
(3 mils wet, 1 mils dry per coat)

2. Oleoresinous System - Max. Temperature 400oF. - 700oF.

a. Aluminum Finish (Interior use only)

- 1st Coat: S-W Silver-Brite Hi-Heat Resisting Alum., B59S3
- 2nd Coat: S-W Silver-Brite Hi-Heat Resisting Alum., B59S3
(2 mils wet, 0.4 mils dry per coat)

3. Silicone Alkyd System - Max. Temperature 500oF. - 1000oF.

b. Aluminum Finish

- 1st Coat: S-W Silver-Brite Hi-Heat Silicone Alkyd
Aluminum, B59S8
- 2nd Coat: S-W Silver-Brite Hi-Heat Silicone Alkyd
Aluminum, B59S8
(3 mils wet, 0.75 mils dry per coat)

PIPE IDENTIFICATION

1. Alkyd Systems
 - a. Gloss Finish

1st Coat: S-W Kem Kromik Metal Primer, B50 Series
(6 mils wet, 3 mils dry)

2nd Coat: S-W Industrial Enamel, B54 Series

3rd Coat: S-W Industrial Enamel, B54 Series
(4 mils wet, 2 mils dry per coat)
2. Latex Systems
 - a. Gloss Finish

1st Coat: S-W DTM Primer/Finish, B66W1
(6 mils wet, 3 mils dry)

2nd Coat: S-W DTM Acrylic Gloss Coating, B66 Series

3rd Coat: S-W DTM Acrylic Gloss Coating, B66 Series
(8 mils wet, 3 mils dry per coat)
 - b. Semi-Gloss Systems

1st Coat: S-W DTM Primer/Finish, B66W1
(6 mils wet, 3 mils dry)

2nd Coat: S-W Metalatex Semi-Gloss Enamel, B42 Series

3rd Coat: S-W Metalatex Semi-Gloss Enamel, B42 Series
(4 mils wet, 1.5 mils dry per coat)
3. Epoxy Systems
 - a. Gloss Finish

1st Coat: Tile-Clad II Epoxy Primer, B62N71/B60V70
(8 mils wet, 4 mils dry)

2nd Coat: Tile-Clad II Epoxy, B62 Series/B60V70

3rd Coat: Tile-Clad II Epoxy, B62 Series/B60V70
(9 mils wet, 4 mils dry per coat)